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PTO/SB/21 (09-04)

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**TRANSMITTAL  
FORM**

(to be used for all correspondence after initial filing)

Total Number of Pages in This Submission

Application Number

10/534,796

Filing Date

12 May 2005

First Named Inventor

Peter G. KLIMKO

Art Unit

Examiner Name

Attorney Docket Number

2443 US F

**ENCLOSURES (Check all that apply)**☐

Fee Transmittal Form

☐

Fee Attached

☐

Amendment/Reply

☐

After Final

☐

Affidavits/declaration(s)

☐

Extension of Time Request

☐

Express Abandonment Request

☒

Information Disclosure Statement

☐

Certified Copy of Priority Document(s)

☐Reply to Missing Parts/  
Incomplete Application☐Reply to Missing Parts  
under 37 CFR 1.52 or 1.53☐

Drawing(s)

☐

Licensing-related Papers

☐

Petition

☐Petition to Convert to a  
Provisional Application☐

Power of Attorney, Revocation

☐

Change of Correspondence Address

☐

Terminal Disclaimer

☐

Request for Refund

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CD, Number of CD(s) \_\_\_\_\_

☐ Landscape Table on CD

Remarks

☐

After Allowance Communication to TC

☐Appeal Communication to Board  
of Appeals and Interferences☐Appeal Communication to TC  
(Appeal Notice, Brief, Reply Brief)☐

Proprietary Information

☐

Status Letter

☒Other Enclosure(s) (please identify  
below):corresponding PCT/US03/38677  
Search Report [2 pp] and Return Card.**SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT**

Firm Name

Alcon Research, Ltd.

Signature

Printed name

Teresa J. Schultz

Date

1 September 2005

Reg. No.

40,526

**CERTIFICATE OF TRANSMISSION/MAILING**

I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below:

Signature

Typed or printed name

Barbara McKenzie

Date

1 September 2005

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JC07 Rec'd POST/PTO 06 SEP 2005



## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In reply, application of: Peter G. KLIMKO et al.

Serial No: 10/534,796

Filed: 12 May 2005

Examiner:

Group Art Unit:

FOR: SUPEROXIDE DISMUTASE MIMICS FOR THE TREATMENT OF OCULAR  
DISORDERS AND DISEASES**INFORMATION DISCLOSURE STATEMENT PURSUANT  
TO 37 C.F.R. 1.56, 1.97, AND 1.98**Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

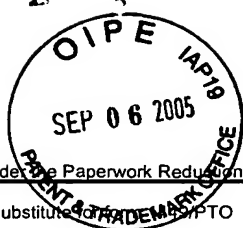
Pursuant to the duty of disclosure under 37 C.F.R. 1.56, 1.97, and 1.98, Applicants submit the patents, articles, and other information referenced in the specification as filed. The references are listed on the attached PTO Form 1449. Applicants are submitting copies of the foreign patents and non-patent literature in accordance with 37 CFR 1.98(a)(2), copies of the U.S. patents are not enclosed.

A copy of the International Search Report issued in the PCT application, of which the present application is a 35 U.S.C. §371 application, is also included for the Examiner's convenience.

Applicants request that the listed patents, articles, and other information be considered during prosecution of this application and that they appear among the "References Cited" on any patent issuing herefrom.

Respectfully submitted,

1 September 2005  
DateBy: Teresa J. Schultz  
Teresa J. Schultz  
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Fort Worth, TX 76134-2099  
Attorney Docket No.: 2443 US F



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**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

**Complete if Known**

Application Number	10/534,796
Filing Date	12 May 2005
First Named Inventor	Peter G. KLIMKO et al.
Art Unit	
Examiner Name	
Attorney Docket Number	2443 US F

Sheet 1 of 4

**U. S. PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			
	A1	US- 5,075,116	12/24/1991	LaHaye et al.	
	A2	US- 5,994,339	11/30/1999	Crapo et al.	
	A3	US- 6,046,188	04/04/2000	Malfroy-Camine et al.	
	A4	US- 6,127,356	10/03/2000	Crapo et al.	
	A5	US- 6,177,419	01/23/2001	Campbell et al.	
	A6	US- 6,180,620	01/30/2001	Salvemini	
	A7	US- 6,214,817	04/10/2001	Riley et al.	
	A8	US- 6,541,490	04/01/2003	Campbell et al.	
	A9	US-			
	A10	US-			
	A11	US-			
	A12	US-			
	A13	US-			
	A14	US-			
	A15	US-			
	A16	US-			
	A17	US-			
	A18	US-			
	A19	US-			

**FOREIGN PATENT DOCUMENTS**

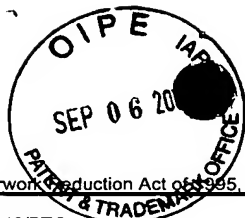
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known)				
	A20	WO 98/58636 A1 and A2	12/30/1998	G.D. Searle		
	A21	WO 00/07584 A2 and A3	02/17/2000	Wisconsin Alumni		
	A22	WO 00/19993 A2 and A3	04/13/2000	Brownlee		
	A23	WO 00/72893 A2 and A3	12/07/2000	Monsanto Co.		
	A24					
	A25					

Examiner Signature	Date Considered
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

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PTO/SB/08B (04-03)

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Substitute for form 1449/PTO

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

**Complete if Known**

<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (Use as many sheets as necessary)				<b>Application Number</b>	10/534,796
				<b>Filing Date</b>	12 May 2005
				<b>First Named Inventor</b>	Peter G. KLIMKO et al.
				<b>Art Unit</b>	
				<b>Examiner Name</b>	
<b>Sheet</b>	2	of	4	<b>Attorney Docket Number</b>	2443 US F

**NON PATENT LITERATURE DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
	B1	Allikmets R, et al., "Mutation of the Stargardt Disease Gene (ABCR) in Age-Related Macular Degeneration", Science, 277:1805-1807 (1997). Listed as "Dean" in application.	
	B2	Baker et. al., "Synthetic Combined Superoxide Dismutase/Catalase Mimetics Are Protective as a Delayed Treatment in a Rat Stroke Model: A Key Role for Reactive Oxygen Species in Ischemic Brain", J. Pharmacol. Exp. Ther., Vol. 284:215-221, 1998	
	B3	Ben-Shabat et al., "Fluorescent Pigments of the Retinal Pigment Epithelium and Age-Related Macular Degeneration", BIOORGANIC & MEDICINAL CHEMISTRY LETTERS, 11:1533-1540, 2001. Listed as "Nakanishi" in application.	
	B4	Brownlee, M., "Biochemistry and Molecular Cell Biology of Diabetic Complications", Nature, Vol. 414:813-820, 2001	
	B5	Coppey, et al., "Effect of M40403 Treatment of Diabetic Rats on Endoneurial Blood Flow, Motor Nerve Conduction Velocity and Vascular Function of Epineurial Arterioles of the Sciatic Nerve," British Journal of Pharmacology, Vol. 134:21-9, 2001 (M40403)	
	B6	Doctrow et. al., "Salen-Manganese Complexes as Catalytic Scavengers of Hydrogen Peroxide and Cytoprotective Agents: Structure-Activity Relationship Studies", J. Med. Chem., 45:4549-4558 (2002)	
	B7	Gürler, et al., "The Role of Oxidative Stress in Diabetic Retinopathy" Eye, Vol. 14:730-735, 2000	
	B8	Guzik, et al., "Mechanisms of Increased Vascular Superoxide Production in Human Diabetes Mellitus" Circulation, Vol. 105:1656-62, 2002	
	B9	Kimura K et al., "Genetic Association of Manganese Superoxide Dismutase With Exudative Age-related Macular Degeneration", AMERICAN JOURNAL OF OPHTHALMOLOGY, 130(6):769-773 (2000). Listed as "Isashiki" in the application.	
	B10	Mata NL et al., "Biosynthesis of a major lipofuscin fluorophore in mice and humans with ABCR-mediated retinal and macular degeneration", Proc. Natl. Acad. Sci. USA, 97(13):7154-7159 (2000). Listed as "Travis" in the application.	

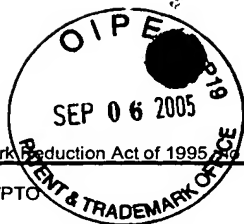
<b>Examiner Signature</b>		<b>Date Considered</b>	
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1 Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached.

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Art Unit	
Examiner Name	
Attorney Docket Number	2443 US F

Sheet	3	of	4
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**NON PATENT LITERATURE DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
	C1	Melov et. al., "Lifespan Extension and Rescue of Spongiform Encephalopathy in Superoxide Dismutase 2 Nullizygous Mice Treated with Superoxide Dismutase-Catalase Mimetics", J. Neurosci., Vol. 21:8348-8353, 2001	
	C2	Parish et al. (Nakanishi), "Isolation and one-step preparation of A2E and iso-A2E, fluorophores from human retinal pigment epithelium", Proc. Natl. Acad. Sci. USA, 95:14609-14613, 1998	
	C3	Piganelli, et al., "A Metalloporphyrin-Based Superoxide Dismutase Mimic Inhibits Adoptive Transfer of Autoimmune Diabetes by a Diabetogenic T-cell Clone," Diabetes, Vol. 51:347-55, 2002	
	C4	Salvemini D, et. al., "A Nonpeptidyl Mimic of Superoxide Dismutase with Therapeutic Activity in Rats", Science, Vol. 286:304-306, 1999	
	C5	Salvemini, et al., "M40403 Superoxide Dismutase Mimetic", Drugs of The Future, 25(10):1027-1033, 2000	
	C6	Shamsi and Boulton, "Inhibition of RPE Lysosomal and Antioxidant Activity by the Age Pigment Lipofuscin", Invest. Ophthalmol. Vis. Sci., Vol. 42:3041-3046, 2001	
	C7	Shurtz-Swirski et al., "Involvement of Peripheral Polymorphonuclear Leukocytes in Oxidative Stress and Inflammation in Type 2 Diabetic Patients," Diabetes Care, Vol. 24:104-110, 2001	
	C8	Wang et. al., "Tempol, A Superoxide Dismutase Mimic, Ameliorates Light-Induced Retinal Degeneration", Res. Commun. Mol. Pathol. Pharmacol., 89(3):291-305, 1995	
	C9	Wassell et al., "The Photoactivity of the Retinal Age Pigment Lipofuscin", J. Biol. Chem., 274:23828-23832, 1999	
	C10	Wihlmark et. al., "Lipofuscin Accumulation In Cultured Retinal Pigment Epithelial Cells Causes Enhanced Sensitivity To Blue Light Irradiation", Free Radical Biol. Med., 22:1229-1234, 1997	

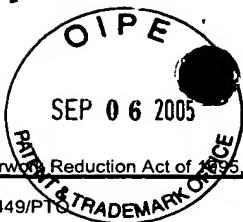
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Sheet

4

of

4

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	D1	Winkler, et. al., "Oxidative damage and age-related macular degeneration", Mol. Vision, Vol. 5:32, 1999	

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